

Table 234. Residential Energy Consumption Estimates, Selected Years 1960-1997, Oklahoma

Year	Coal			Natural Gas ^b	Petroleum				Wood	Geothermal	Solar ^c	Electricity ^a	Net Energy	Electrical System Energy Losses ^d	Total
	Bituminous Coal and Lignite ^a	Anthracite ^a	Total		Distillate Fuel ^a	Kerosene ^a	LPG ^a	Total							
	Billion Cubic Feet	Thousand Barrels				Thousand Cords	Geothermal	Solar ^c							
Year	Thousand Short Tons														
1960	18	0	18	60	2	18	3,938	3,959	R 460	—	—	2,372	—	5,900	—
1965	6	0	6	65	2	78	4,642	4,722	R 331	—	—	4,086	—	9,756	—
1970	2	0	2	77	3	52	5,802	5,856	R 308	—	—	7,293	—	17,674	—
1975	1	0	1	80	12	24	5,628	5,663	R 341	—	—	9,222	—	22,245	—
1980	11	0	11	77	15	21	1,759	1,795	R 441	—	—	12,309	—	29,931	—
1985	1	0	1	76	82	30	2,027	2,140	R 251	—	—	14,400	—	33,831	—
1986	1	0	1	67	30	9	1,477	1,516	R 245	—	—	13,903	—	31,981	—
1987	1	0	1	64	10	22	1,362	1,394	R 306	—	—	14,085	—	32,183	—
1988	3	(s)	3	72	28	25	1,323	1,376	R 318	—	—	14,475	—	32,724	—
1989	(s)	0	(s)	72	(s)	19	1,509	1,528	R 330	—	—	14,083	—	R 31,641	—
1990	(s)	0	(s)	66	(s)	10	1,274	1,284	345	—	—	17,077	—	R 37,352	—
1991	(s)	0	(s)	69	(s)	10	1,373	1,383	364	—	—	15,325	—	R 33,361	—
1992	(s)	(s)	(s)	66	2	11	1,112	1,124	383	—	—	14,254	—	R 30,446	—
1993	(s)	0	(s)	78	(s)	7	1,286	1,293	R 334	—	—	15,901	—	33,596	—
1994	(s)	(s)	(s)	69	(s)	5	1,198	1,203	328	—	—	16,128	—	R 33,655	—
1995	4	0	4	69	12	4	1,214	1,230	364	—	—	16,319	—	R 33,998	—
1996	(s)	0	(s)	77	24	20	1,445	1,489	R 363	—	—	17,303	—	R 36,011	—
1997	102	0	102	72	4	14	1,445	1,463	264	—	—	17,376	—	36,085	—
Trillion Btu															
1960	0.4	0.0	0.4	61.9	(s)	0.1	15.8	15.9	R 9.2	0.0	0.0	8.1	R 95.5	20.1	R 115.6
1965	0.1	0.0	0.1	66.5	(s)	0.4	18.6	19.1	R 6.6	0.0	0.0	13.9	R 106.3	33.3	R 139.6
1970	(s)	0.0	(s)	79.9	(s)	0.3	21.9	22.2	R 6.2	0.0	0.0	24.9	R 133.3	60.3	R 193.6
1975	(s)	0.0	(s)	79.6	0.1	0.1	20.9	21.1	R 6.8	0.0	0.0	31.5	R 139.0	75.9	R 214.9
1980	0.2	0.0	0.2	76.8	0.1	0.1	6.5	6.7	R 8.8	0.0	0.0	42.0	R 134.5	102.1	R 236.6
1985	(s)	0.0	(s)	77.6	0.5	0.2	7.3	8.0	R 5.0	0.0	0.0	49.1	R 139.8	115.4	R 255.2
1986	(s)	0.0	(s)	68.2	0.2	0.1	5.4	5.6	R 4.9	0.0	0.0	47.4	R 126.1	109.1	R 235.2
1987	(s)	0.0	(s)	66.1	0.1	0.1	5.0	5.2	R 6.1	0.0	0.0	48.1	R 125.5	109.8	R 235.3
1988	0.1	(s)	0.1	74.7	0.2	0.1	4.8	5.1	R 6.4	0.0	0.0	49.4	R 135.6	111.7	R 247.3
1989	(s)	0.0	(s)	73.3	(s)	0.1	5.6	5.7	R 6.6	e (s)	R e 0.1	48.0	R e 133.7	R 108.0	R e 241.7
1990	(s)	0.0	(s)	66.9	(s)	0.1	4.6	4.7	6.9	(s)	0.1	58.3	136.9	127.4	264.3
1991	(s)	0.0	(s)	70.1	(s)	0.1	5.0	5.0	7.3	(s)	0.1	52.3	134.8	113.8	248.6
1992	(s)	(s)	(s)	67.2	(s)	0.1	4.0	4.1	7.7	(s)	0.1	48.6	127.7	103.9	231.6
1993	(s)	0.0	(s)	80.0	(s)	(s)	4.6	4.7	6.7	(s)	0.1	54.3	145.7	114.6	260.4
1994	(s)	(s)	(s)	71.0	(s)	(s)	4.4	4.4	6.6	(s)	0.1	55.0	137.1	114.8	251.9
1995	0.1	0.0	0.1	69.7	0.1	(s)	4.4	4.5	7.3	(s)	0.1	55.7	R 137.3	116.0	253.3
1996	(s)	0.0	(s)	78.4	0.1	0.1	5.2	5.5	7.3	(s)	0.1	59.0	150.2	122.9	273.1
1997	1.8	0.0	1.8	72.2	(s)	0.1	5.2	5.3	5.3	(s)	0.1	59.3	143.9	123.1	267.1

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Includes small amounts of solar energy consumed by the commercial sector that cannot be separately identified. See Appendix A, Section 5, for explanation of estimation methodology.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of

non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 235. Commercial Energy Consumption Estimates, Selected Years 1960-1997, Oklahoma

Year	Coal			Natural Gas ^b	Petroleum						Wood	Geothermal	Electricity ^a	Electrical System Energy Losses ^c		
	Bituminous Coal and Lignite ^a	Anthracite ^a	Total		Distillate Fuel ^a	Kerosene ^a	LPG ^a	Motor Gasoline	Residual Fuel ^a	Total						
	Thousand Short Tons										Billion Cubic Feet					Total ^d
1960	33	0	33	29	72	83	695	177	395	1,422	R 9	—	1,904	—	4,737	—
1965	12	0	12	27	68	353	819	204	233	1,677	R 6	—	2,945	—	7,032	—
1970	4	0	4	44	95	233	1,024	229	190	1,771	R 6	—	4,415	—	10,699	—
1975	2	0	2	42	406	106	993	264	196	1,965	R 6	—	6,810	—	16,427	—
1980	20	0	20	47	315	15	310	301	30	972	R 11	—	9,005	—	21,897	—
1985	2	0	2	41	705	20	358	338	0	1,420	NA	—	11,706	—	27,501	—
1986	3	0	3	37	282	5	261	346	0	893	NA	—	11,650	—	26,798	—
1987	1	0	1	32	408	5	240	359	16	1,029	NA	—	11,594	—	26,491	—
1988	5	(s)	5	48	624	43	234	341	6	1,247	NA	—	12,132	—	27,428	—
1989	(s)	0	(s)	39	638	88	266	312	45	1,350	NA	—	11,885	—	R 26,705	—
1990	(s)	0	(s)	37	539	13	225	374	82	1,231	NA	—	13,663	—	R 29,884	—
1991	1	0	1	40	485	10	242	231	76	1,045	NA	—	12,665	—	R 27,569	—
1992	(s)	(s)	1	35	374	4	196	172	43	790	NA	—	12,414	—	26,517	—
1993	(s)	0	(s)	41	324	5	227	37	0	593	R 27	—	12,931	—	27,321	—
1994	(s)	(s)	1	37	263	4	211	37	0	515	R 27	—	13,294	—	R 27,741	—
1995	7	0	7	40	292	5	214	38	(s)	549	R 27	—	13,359	—	R 27,831	—
1996	1	0	1	46	388	5	255	38	0	686	R 30	—	13,828	—	R 28,780	—
1997	189	0	189	45	600	16	255	37	0	909	26	—	14,275	—	29,647	—
Trillion Btu																
1960	0.8	0.0	0.8	29.8	0.4	0.5	2.8	0.9	2.5	7.1	R 0.2	0.0	6.5	R 44.4	16.2	R 60.5
1965	0.3	0.0	0.3	27.9	0.4	2.0	3.3	1.1	1.5	8.2	R 0.1	0.0	10.0	R 46.6	24.0	R 70.6
1970	0.1	0.0	0.1	45.3	0.6	1.3	3.9	1.2	1.2	8.1	R 0.1	0.0	15.1	R 68.7	36.5	R 105.2
1975	(s)	0.0	(s)	41.6	2.4	0.6	3.7	1.4	1.2	9.3	R 0.1	0.0	23.2	R 74.3	56.0	R 130.4
1980	0.5	0.0	0.5	47.2	1.8	0.1	1.1	1.6	0.2	4.8	R 0.2	0.0	30.7	R 83.5	74.7	R 158.2
1985	(s)	0.0	(s)	41.6	4.1	0.1	1.3	1.8	0.0	7.3	NA	0.0	39.9	88.9	93.8	182.7
1986	0.1	0.0	0.1	37.4	1.6	(s)	0.9	1.8	0.0	4.4	NA	0.0	39.7	81.6	91.4	173.0
1987	(s)	0.0	(s)	33.4	2.4	(s)	0.9	1.9	0.1	5.3	NA	0.0	39.6	78.3	90.4	168.7
1988	0.1	(s)	0.1	49.7	3.6	0.2	0.9	1.8	(s)	6.6	NA	0.0	41.4	97.7	93.6	191.3
1989	(s)	0.0	(s)	39.3	3.7	0.5	1.0	1.6	0.3	7.1	NA	0.0	40.6	87.0	91.1	178.1
1990	(s)	0.0	(s)	38.0	3.1	0.1	0.8	2.0	0.5	6.5	NA	0.0	46.6	91.1	102.0	193.0
1991	(s)	0.0	(s)	40.1	2.8	0.1	0.9	1.2	0.5	5.5	NA	0.0	43.2	88.8	94.1	R 182.9
1992	(s)	(s)	(s)	36.0	2.2	(s)	0.7	0.9	0.3	4.1	NA	0.0	42.4	82.4	90.5	172.9
1993	(s)	0.0	(s)	41.6	1.9	(s)	0.8	0.2	0.0	2.9	R 0.5	0.0	44.1	R 89.2	93.2	R 182.4
1994	(s)	(s)	(s)	37.4	1.5	(s)	0.8	0.2	0.0	2.5	R 0.5	0.0	45.4	R 85.9	R 94.7	R 180.5
1995	0.2	0.0	0.2	40.2	1.7	(s)	0.8	0.2	(s)	2.7	R 0.5	0.0	45.6	R 89.2	R 95.0	R 184.2
1996	(s)	0.0	(s)	47.2	2.3	(s)	0.9	0.2	0.0	3.4	R 0.6	0.0	47.2	R 98.4	98.2	R 196.6
1997	3.3	0.0	3.3	45.4	3.5	0.1	0.9	0.2	0.0	4.7	0.5	0.0	48.7	102.6	101.2	203.7

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^d Small amounts of solar energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

R=Revised data.

—=Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 237. Transportation Energy Consumption Estimates, Selected Years 1960-1997, Oklahoma

Year	Coal ^a	Natural Gas ^b	Petroleum							Ethanol ^c	Electricity ^a	Electrical System Energy Losses ^d	Total ^c		
			Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	LPG ^a	Lubricants ^a	Motor Gasoline	Residual Fuel ^a						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels							Thousand Gallons	Million Kilowatthours	Net Energy	Million Kilowatthours		
1960	(s)	9	562	1,325	2,920	290	485	21,148	8	26,737	0	0	0	—	
1965	(s)	13	745	1,582	3,453	489	527	24,799	244	31,839	0	0	0	—	
1970	0	23	448	3,351	4,378	516	457	31,776	75	41,000	0	0	0	—	
1975	(s)	24	309	4,809	3,916	474	537	37,768	42	47,854	0	0	0	—	
1980	0	23	328	8,030	4,900	235	777	38,974	0	53,244	0	0	0	—	
1985	0	25	217	10,562	5,870	133	707	40,855	0	58,345	0	0	0	—	
1986	0	21	250	10,041	5,942	105	692	39,316	0	56,346	0	0	0	—	
1987	0	24	179	10,545	7,440	93	782	37,551	0	56,590	0	0	0	—	
1988	0	28	172	11,045	7,224	102	754	37,673	0	56,971	0	0	0	—	
1989	0	36	165	11,293	9,239	85	773	37,668	0	59,225	e 0	0	0	—	
1990	0	26	146	11,690	7,832	97	796	37,790	0	58,351	0	0	0	—	
1991	0	25	111	10,464	10,569	109	712	37,690	0	59,655	0	0	0	—	
1992	0	26	124	11,692	12,948	80	726	38,880	0	64,450	0	0	0	—	
1993	0	27	104	12,911	9,012	94	739	39,750	0	62,610	0	0	0	—	
1994	0	26	84	13,559	10,345	144	772	40,378	0	65,282	0	0	0	—	
1995	0	31	154	14,250	5,359	59	759	41,161	0	61,742	0	0	0	—	
1996	0	34	117	16,548	4,707	38	737	42,509	0	64,656	0	0	0	—	
1997	0	26	80	17,565	5,257	35	778	41,385	0	65,099	0	0	0	—	
Trillion Btu															
1960	(s)	9.3	2.8	7.7	15.7	1.2	2.9	111.1	0.1	141.4	0.0	0.0	150.8	0.0	150.8
1965	(s)	12.9	3.8	9.2	18.7	2.0	3.2	130.3	1.5	168.7	0.0	0.0	181.5	0.0	181.5
1970	0.0	23.5	2.3	19.5	24.0	1.9	2.8	166.9	0.5	217.9	0.0	0.0	241.4	0.0	241.4
1975	(s)	23.6	1.6	28.0	21.5	1.8	3.3	198.4	0.3	254.8	0.0	0.0	278.4	0.0	278.4
1980	0.0	22.8	1.7	46.8	26.9	0.9	4.7	204.7	0.0	285.6	0.0	0.0	308.4	0.0	308.4
1985	0.0	25.8	1.1	61.5	32.5	0.5	4.3	214.6	0.0	314.5	0.0	0.0	340.3	0.0	340.3
1986	0.0	21.6	1.3	58.5	32.9	0.4	4.2	206.5	0.0	303.8	0.0	0.0	325.4	0.0	325.4
1987	0.0	24.5	0.9	61.4	41.4	0.3	4.7	197.3	0.0	306.1	0.0	0.0	330.6	0.0	330.6
1988	0.0	28.8	0.9	64.3	40.2	0.4	4.6	197.9	0.0	308.3	0.0	0.0	337.0	0.0	337.0
1989	0.0	37.3	0.8	65.8	51.7	0.3	4.7	197.9	0.0	321.2	e 0	0.0	e 358.4	0.0	e 358.4
1990	0.0	26.6	0.7	68.1	43.8	0.4	4.8	198.5	0.0	316.3	0.0	0.0	342.9	0.0	342.9
1991	0.0	25.4	0.6	61.0	59.1	0.4	4.3	198.0	0.0	323.3	0.0	0.0	348.7	0.0	348.7
1992	0.0	26.3	0.6	68.1	72.8	0.3	4.4	204.2	0.0	350.4	0.0	0.0	376.7	0.0	376.7
1993	0.0	27.3	0.5	75.2	50.5	0.3	4.5	208.8	0.0	339.9	0.0	0.0	367.1	0.0	367.1
1994	0.0	27.0	0.4	79.0	58.1	0.5	4.7	212.1	0.0	354.8	0.0	0.0	381.8	0.0	381.8
1995	0.0	31.2	0.8	83.0	30.3	0.2	4.6	216.2	0.0	335.1	0.0	0.0	366.3	0.0	366.3
1996	0.0	34.5	0.6	96.4	26.7	0.1	4.5	223.3	0.0	351.6	0.0	0.0	386.0	0.0	386.0
1997	0.0	26.4	0.4	102.3	29.8	0.1	4.7	217.4	0.0	354.8	0.0	0.0	381.2	0.0	381.2

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels. Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also gas consumed as vehicle fuel.

^c Ethanol blended into motor gasoline, which is accounted for under motor gasoline, is shown separately here to display the use of renewable energy by the transportation sector and is included only once in the total.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 238. Estimates of Energy Input at Electric Utilities, Selected Years 1960-1997, Oklahoma

Year	Coal			Natural Gas ^a	Petroleum				Nuclear Electric Power	Hydroelectric Power ^e	Wood and Waste	Geothermal Energy	Other ^{f,g}	Total ^g	
	Bituminous Coal and Lignite	Anthracite	Total		Heavy Oil ^{b,c}	Light Oil ^{b,d}	Petroleum Coke ^b	Total							
	Thousand Short Tons			Billion Cubic Feet	Thousand Barrels				Million Kilowatthours						
1960	(s)	0	(s)	83	33	26	0	59	0	705	0	0	0	0	-
1965	1	0	1	127	28	22	0	50	0	825	0	0	0	0	-
1970	1	0	1	235	64	51	0	116	0	1,406	0	0	0	0	-
1975	(s)	0	(s)	301	29	55	0	85	0	2,945	0	0	0	0	-
1980	5,752	0	5,752	330	(s)	59	0	59	0	1,315	0	0	0	0	-
1985	12,747	0	12,747	201	9	79	0	87	0	3,980	0	0	0	0	-
1986	11,628	0	11,628	197	7	116	0	123	0	2,951	0	0	0	0	-
1987	12,861	0	12,861	188	1	67	0	68	0	2,948	0	0	0	0	-
1988	14,435	0	14,435	177	4	56	0	60	0	2,045	0	0	0	0	-
1989	14,423	0	14,423	178	10	52	0	62	0	2,392	0	0	0	0	-
1990	14,866	0	14,866	169	58	28	0	86	0	2,750	0	0	0	0	-
1991	15,668	0	15,668	167	12	26	0	38	0	1,857	0	0	0	0	-
1992	16,699	0	16,699	149	10	18	0	28	0	3,210	0	0	0	0	-
1993	17,668	0	17,668	154	6	21	0	27	0	4,296	0	0	0	0	-
1994	16,961	0	16,961	153	6	19	0	25	0	2,465	0	0	0	0	-
1995	18,130	0	18,130	154	112	17	0	129	0	2,715	0	0	0	0	-
1996	19,386	0	19,386	136	133	84	0	217	0	2,078	0	0	0	0	-
1997	20,101	0	20,101	129	10	20	0	30	0	2,824	0	0	0	0	-
Trillion Btu															
1960	(s)	0.0	(s)	85.7	0.2	0.2	0.0	0.4	0.0	7.6	0.0	0.0	0.0	93.7	
1965	(s)	0.0	(s)	130.5	0.2	0.1	0.0	0.3	0.0	8.6	0.0	0.0	0.0	139.5	
1970	(s)	0.0	(s)	242.2	0.4	0.3	0.0	0.7	0.0	14.8	0.0	0.0	0.0	257.7	
1975	(s)	0.0	(s)	312.3	0.2	0.3	0.0	0.5	0.0	30.6	0.0	0.0	0.0	343.5	
1980	100.0	0.0	100.0	345.8	(s)	0.3	0.0	0.3	0.0	13.7	0.0	0.0	0.0	459.8	
1985	218.8	0.0	218.8	209.5	0.1	0.5	0.0	0.5	0.0	41.6	0.0	0.0	0.0	470.4	
1986	201.5	0.0	201.5	205.7	(s)	0.7	0.0	0.7	0.0	30.8	0.0	0.0	0.0	438.7	
1987	227.7	0.0	227.7	196.7	(s)	0.4	0.0	0.4	0.0	30.7	0.0	0.0	0.0	455.5	
1988	257.3	0.0	257.3	184.1	(s)	0.3	0.0	0.4	0.0	21.1	0.0	0.0	0.0	462.9	
1989	254.6	0.0	254.6	185.7	0.1	0.3	0.0	0.4	0.0	25.0	0.0	0.0	0.0	465.6	
1990	264.4	0.0	264.4	176.6	0.4	0.2	0.0	0.5	0.0	28.6	0.0	0.0	0.0	470.1	
1991	275.5	0.0	275.5	173.9	0.1	0.2	0.0	0.2	0.0	19.4	0.0	0.0	0.0	469.0	
1992	290.6	0.0	290.6	154.5	0.1	0.1	0.0	0.2	0.0	33.2	0.0	0.0	0.0	478.4	
1993	304.6	0.0	304.6	159.7	(s)	0.1	0.0	0.2	0.0	44.3	0.0	0.0	0.0	508.8	
1994	290.8	0.0	290.8	158.3	(s)	0.1	0.0	0.1	0.0	25.4	0.0	0.0	0.0	474.7	
1995	310.3	0.0	310.3	159.4	0.7	0.1	0.0	0.8	0.0	28.0	0.0	0.0	0.0	498.4	
1996	333.4	0.0	333.4	139.9	0.8	0.5	0.0	1.3	0.0	21.5	0.0	0.0	0.0	496.1	
1997	347.4	0.0	347.4	132.9	0.1	0.1	0.0	0.2	0.0	29.1	0.0	0.0	0.0	509.6	

^a Includes supplemental gaseous fuels.^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.^c Prior to 1980, based on oil used in steam plants. Since 1980, heavy oil includes fuel oil nos. 4, 5, and 6 and residual fuel oils.^d Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, light oil includes fuel oil nos. 1 and 2, kerosene, and jet fuel.^e If applicable, through 1989, includes all net imports of electricity, and, from 1990, includes only the portion of imports of electricity that is derived from hydroelectric power.^f "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.^g If applicable, from 1990, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in appendix Table A8.

- =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.